

Academic content standard(s) Performance Indicator 5.G.10- Identify and plot points in all four quadrants	
Big Ideas Coordinate systems can be used to precisely identify locations. Two-dimensional shapes can be identified, classified and analyzed by their properties.	
Learning Goals Students will: <ul style="list-style-type: none"> • Understand the structure of a coordinate grid • Relate the procedure of plotting points to the structure of a coordinate grid 	Success Criteria I can: <ul style="list-style-type: none"> • Talk and write about plotting points on a coordinate grid using accurate vocabulary • Identify where each quadrant is on a coordinate grid • Plot and label points on a coordinate grid • Create a rule about coordinates for each quadrant
Misconceptions students are likely to have as they work on the unit learning goals <ul style="list-style-type: none"> • Students may have a procedural graphing misconception – (y, x) • Plot points in spaces rather than intersections. • Students may not yet be able to apply graphing with negative coordinates 	
Strategies to share learning goals and success criteria with student <ul style="list-style-type: none"> • Learning goals and success criteria will be shared after the vocabulary lesson. • Students will do self-assessment after walking the grid and plotting points. • Self-assessment against success criteria occurs at the end of the 3-day lesson. 	



Considerations for Diverse Learners

Consider these additional misconceptions:

Student may have difficulty conceptualizing the coordinate grid.

Student may not yet be able to graph fractions.